

In the Specification



Page 22, line 14, change "utilized" to -- utilize --.

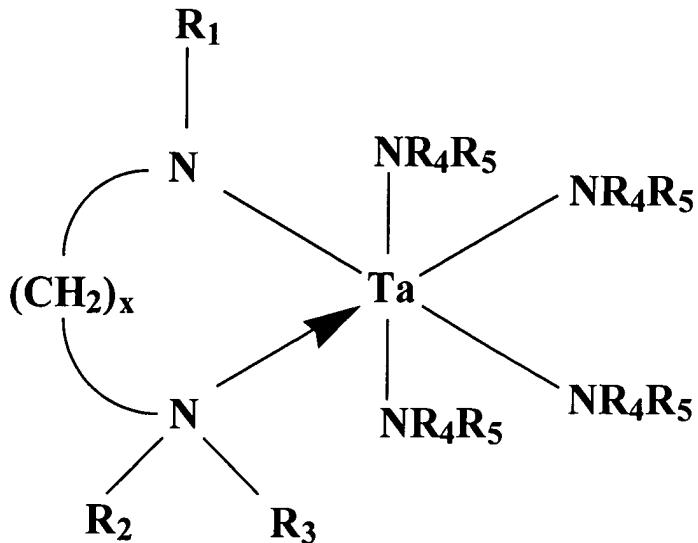
In the Claims

Cancel claims 5-15.

Amend claim 1, as follows:

1. (amended) A source reagent composition comprising at least one tantalum and/or titanium species selected from the group consisting of:

(i) tethered amine tantalum complexes of the formula:



wherein:

x is 2 or 3;
each of R₁-R₅ is independently selected from the group consisting of H, C₁-C₄ alkyl, aryl, C₁-C₆ perfluoroalkyl and trimethylsilyl;

(ii) β-diimines of the formula:



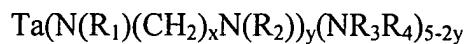
wherein:

G is a β-diimino ligand;

each Q is selected from the group consisting of H, C₁-C₆ alkyl, aryl and C₁-C₆ perfluoroalkyl; and

x is an integer from 1 to 4 inclusive;

(iii) tantalum diamide complexes of the formula



wherein:

x is 1 or 2;

y is 1 or 2;

each of R₁-R₄ is independently selected from the group consisting of H, C₁-C₄ alkyl, aryl, perfluoroalkyl, and trimethylsilyl;

(iv) tantalum amide compounds of the formula

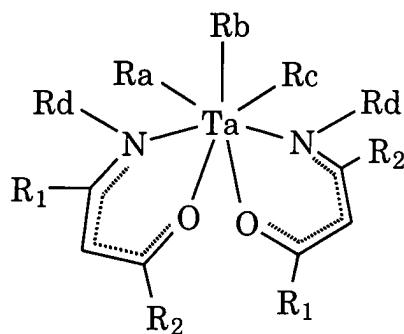


wherein each R and R' is independently selected from the group consisting of H, C₁-C₄ alkyl, phenyl, perfluoroalkyl, and trimethylsilyl, subject to the proviso that in each NRR' group,

$$R \neq R';$$

(v) β -ketoimines of the formula

+T, 0360

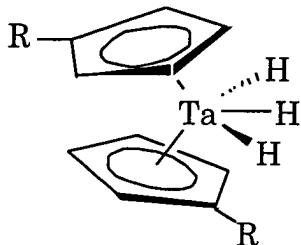


a'

cont' wherein each of R₁, R₂, R_a, R_b, R_c and R_d is independently selected from H, aryl, C₁-C₆ alkyl, and C₁-C₆ perfluoroalkyl; and

(vi) tantalum cyclopentadienyl compounds of the formula:

+T, 0361



wherein each R is [independently selected from the group consisting of H, methyl, ethyl, isopropyl, t-butyl, and] trimethylsilyl;

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(vii) $Ta(NR_1R_2)_x(NR_3R_4)_{5-x} / Ti(NR_1R_2)_x(NR_3R_4)_{4-x}$

where each of R_1 , R_2 , R_3 and R_4 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, C_1-C_8 perfluoroalkyl or a silicon-containing group selected from the group consisting of silane, alkylsilane, perfluoroalkylsilyl, triarylsilane and alkylsilylsilane, x is from 0 to 5 in the tantalum compound and x is from 1 to 4 in the titanium compound, subject to the proviso that in the titanium compound, when R_1 and R_2 are each methyl, then R_3 and R_4 are not both propyl;

(viii) $Ta(NR_1)(NR_2R_3)_3$

where each of R_1 , R_2 , and R_3 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, C_1-C_8 perfluoroalkyl or a silicon-containing group selected from the group consisting of silane, alkylsilane, perfluoroalkylsilyl, triarylsilane and alkylsilylsilane;

(ix) $Ta(SiR_1R_2R_3)_x(NR_4R_5)_{5-x} / Ti(SiR_1R_2R_3)_x(NR_4R_5)_{4-x}$

where x is from 0 to 5 in the tantalum compound, x is from 1 to 4 in the titanium compound, each of R_{1-5} is independently selected from the group consisting of H, Me, Et, tBu , Ph, iPr , CF_3 , SiH_3 , $SiMe_3$, $Si(CF_3)_3$, $Si(Et)_3$, $Si(iPr)_3$, $Si(tBu)_3$, $Si(Ph)_3$, and $Si(SiMe_3)_x(Me)_{3-x}$ where x is from 0 to 3, and subject to the proviso that in the titanium compound, when R_4 and R_5 are each methyl, then R_1 , R_2 and R_3 are not all trimethylsilyl; and

(x) $(Cp^n)Ta(SiR_1R_2R_3)_x(NR_4R_5)_{4-x} / (Cp^n)_2Ti(SiR_1R_2R_3)(NR_4R_5)$